

FIG. 1

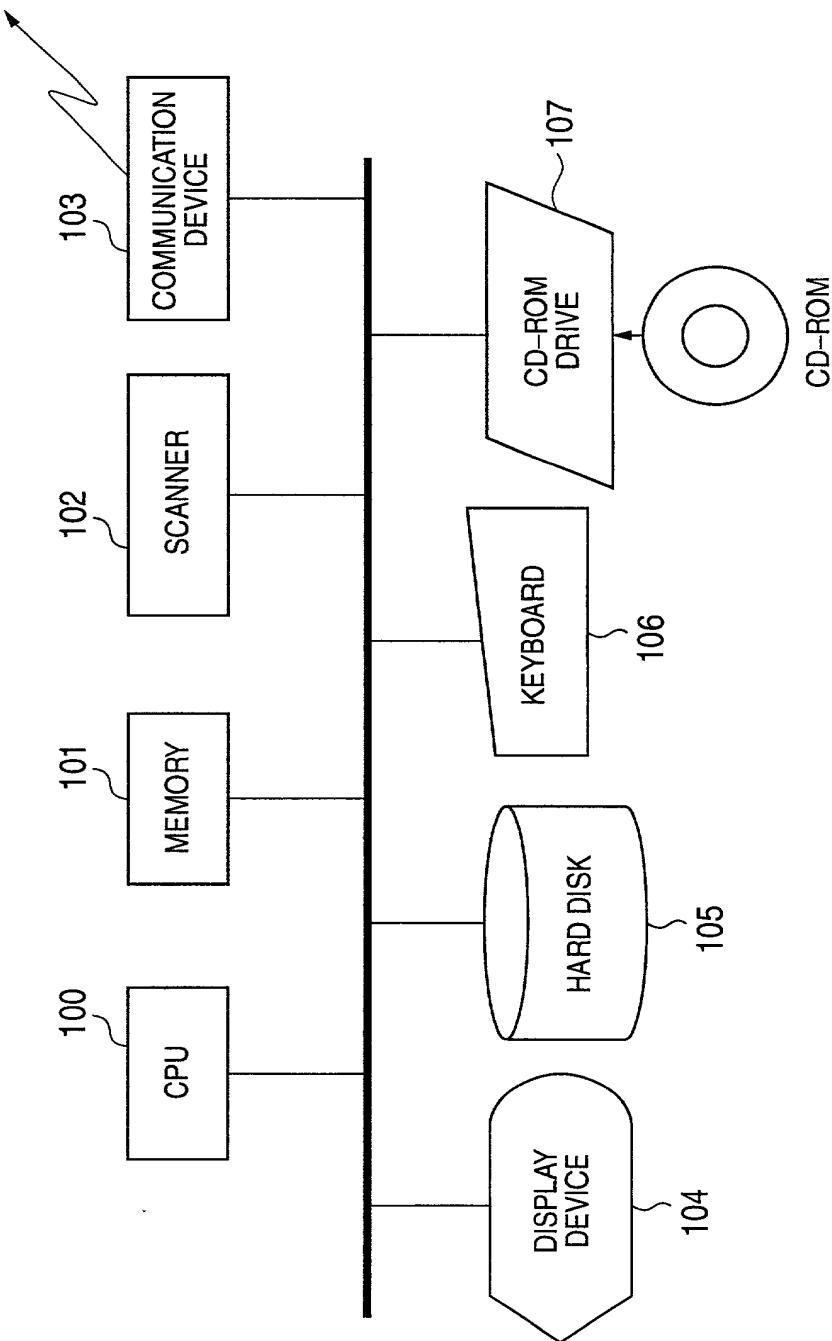


FIG. 2

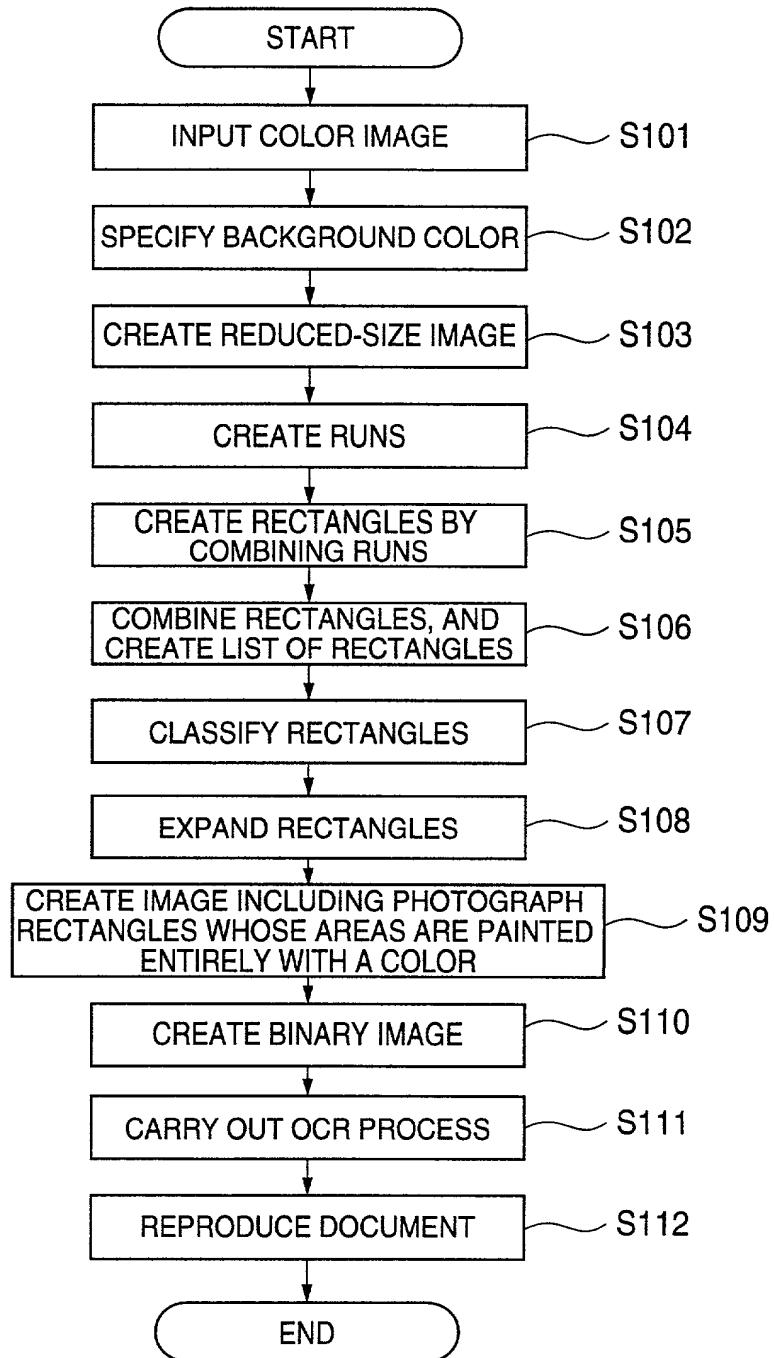


FIG. 3

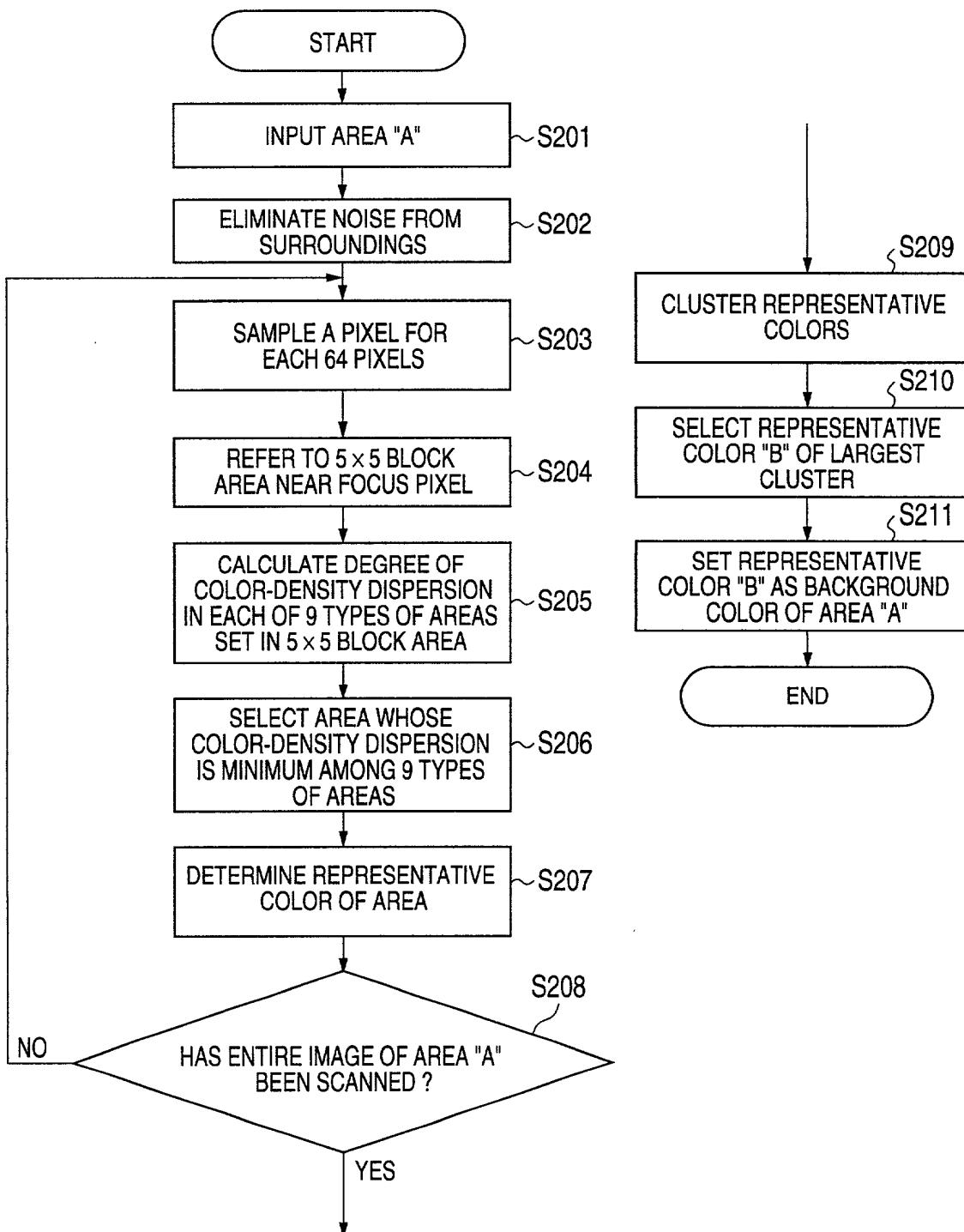


FIG. 4

area0	area1	area2	area3	area4	area5	area6	area7	area8
00...	..11	....	....	.444.	....	....	....	....
000...	..111	....	....	.444.	55...	....	....	....
.0P...	..P1.	.2P..	..P3.	..P..	55P..	..P66	..P..	.8P8.
.......	....	222...	..333	....	55...	....	.777.	.888.
.....	....	22...	...33	....	....	....	....	....

P : CENTER OF 5×5 BLOCK AREA
.: POINT OUTSIDE EACH AREA(area n (n=0...8))
n : POINT INSIDE EACH AREA(n=0...8)

FIG. 5

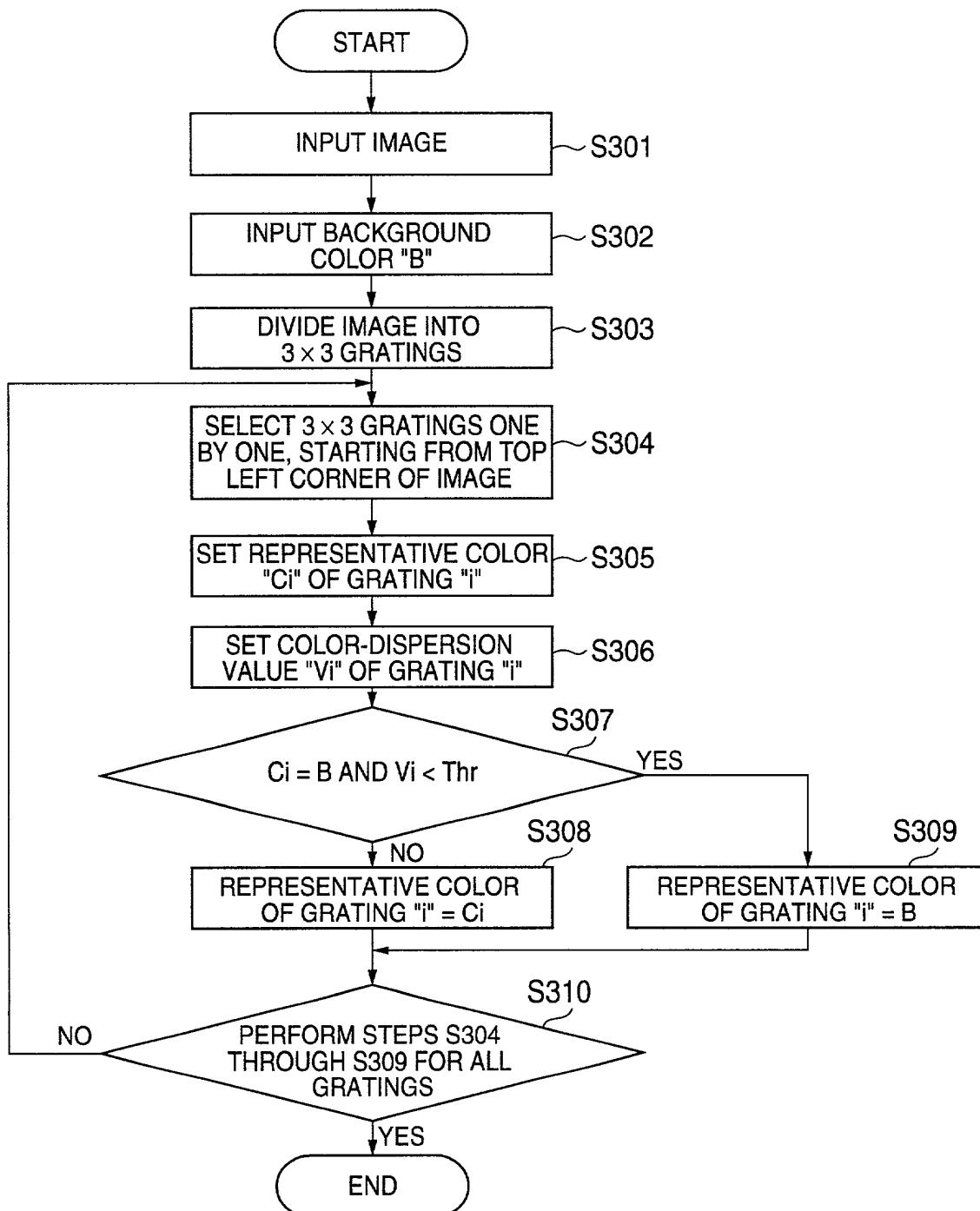


FIG. 6A

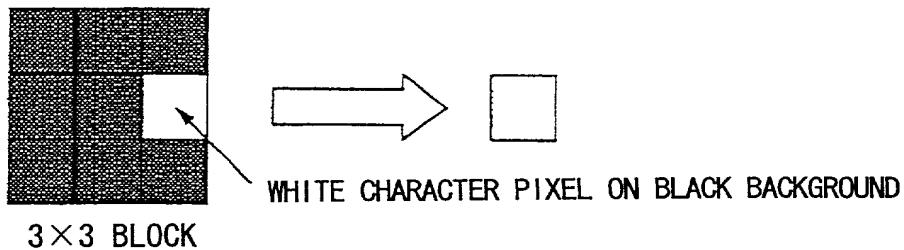


FIG. 6B

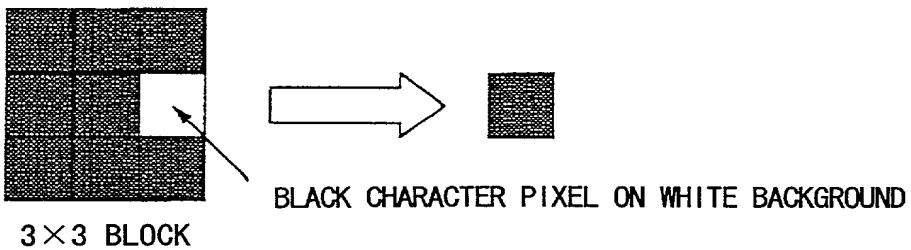


FIG. 7

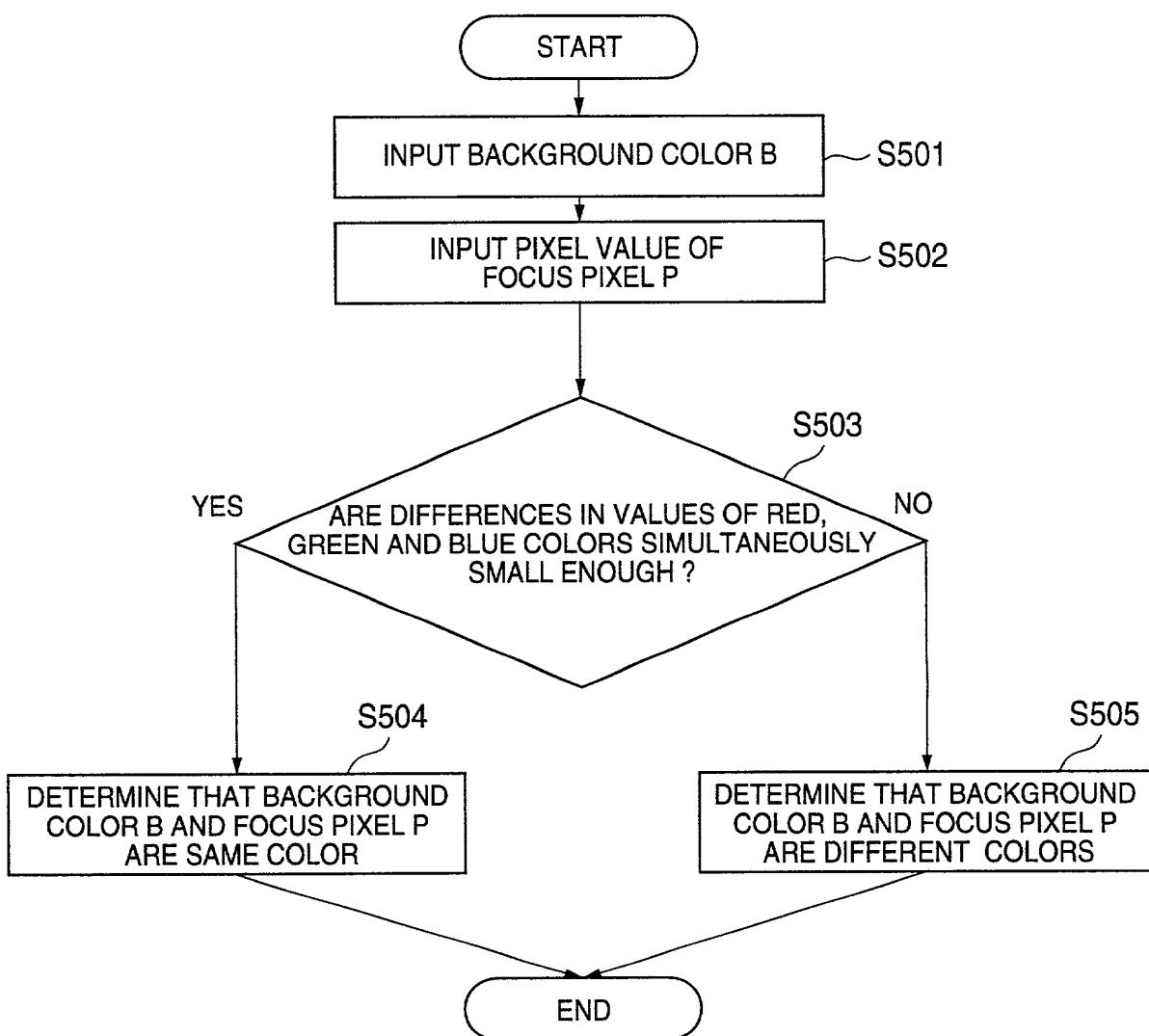


FIG. 8

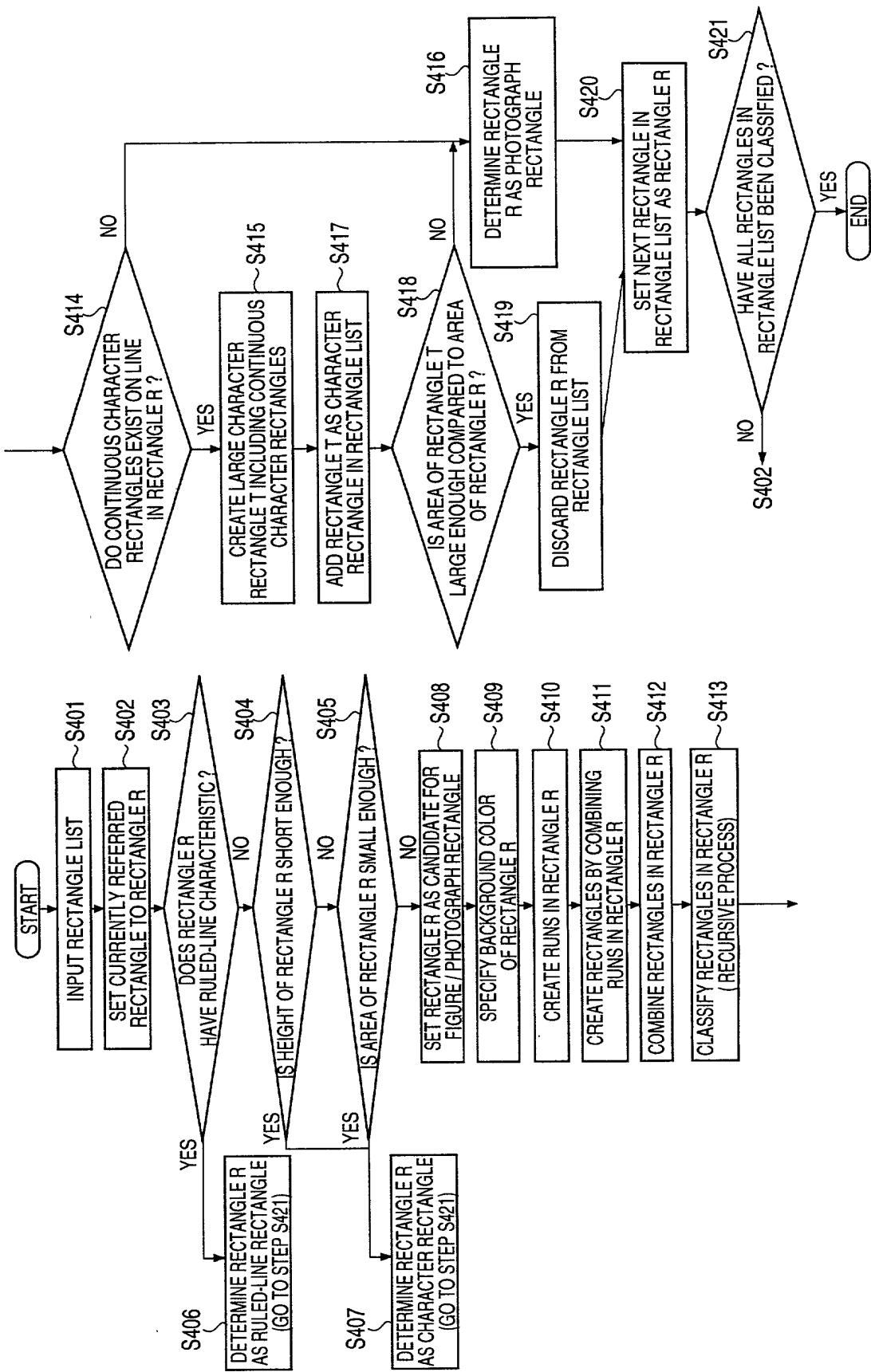


FIG. 9

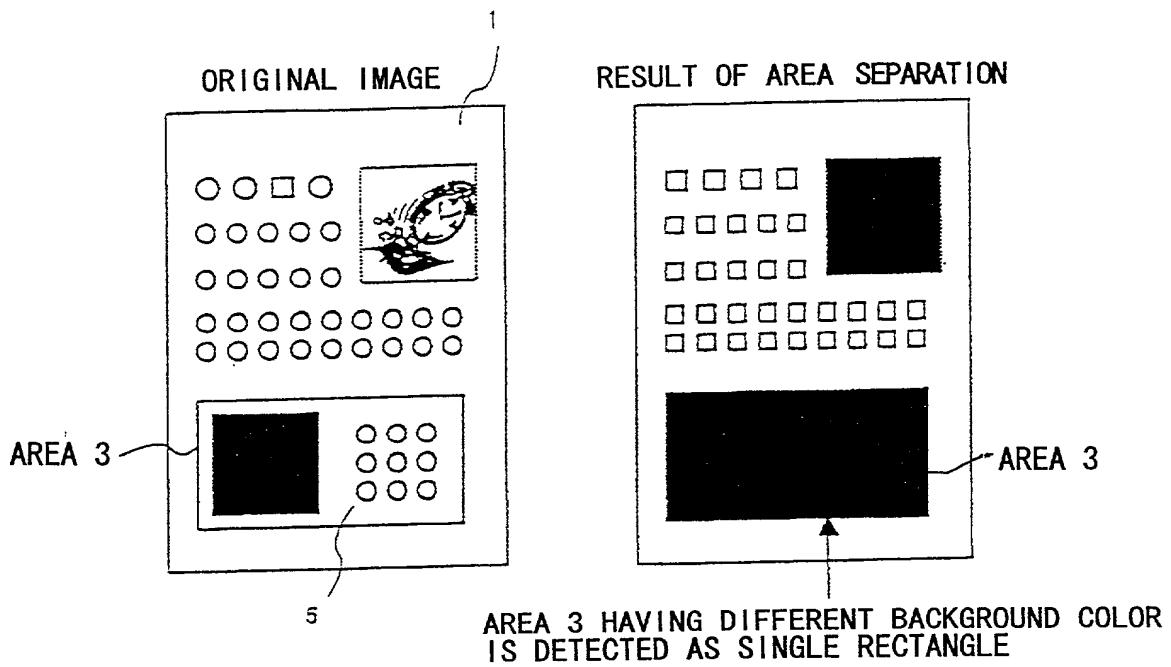


FIG. 10

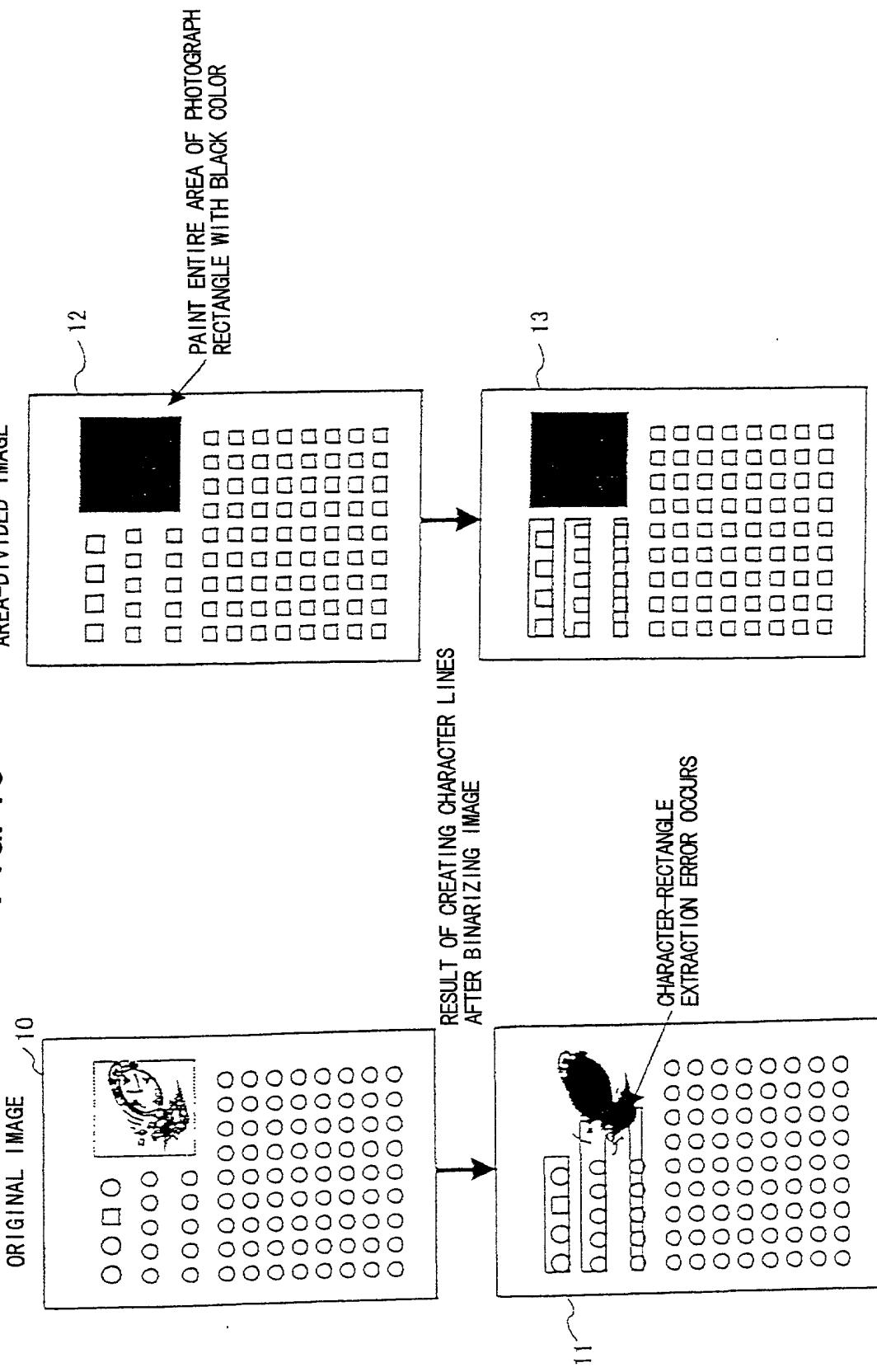
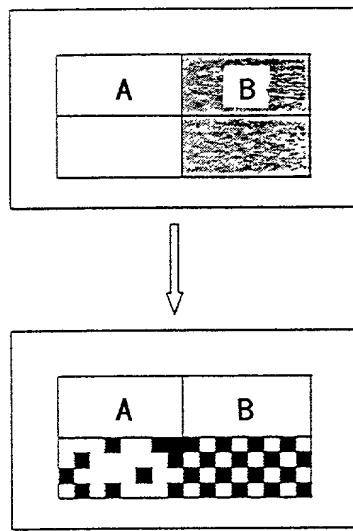


FIG. 11

ORIGINAL IMAGE
(EACH CELL IS SEPARATED BY COLOR)



RESULT OF BINARIZING ORIGINAL IMAGE
BY ANALYZING EACH AREA

FIG. 12

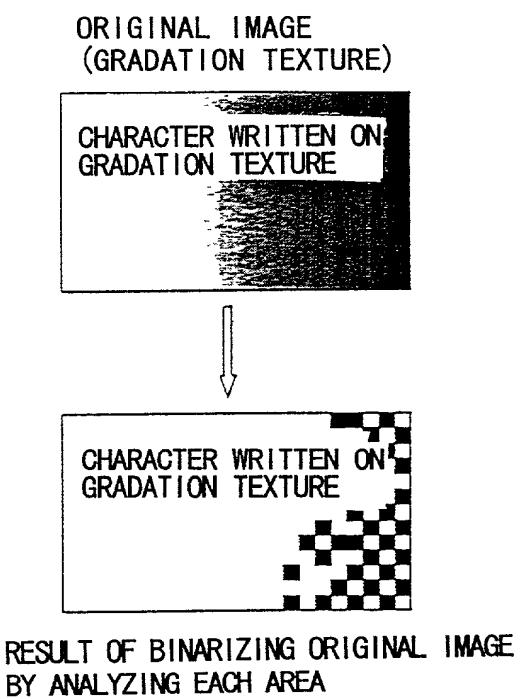


FIG. 13

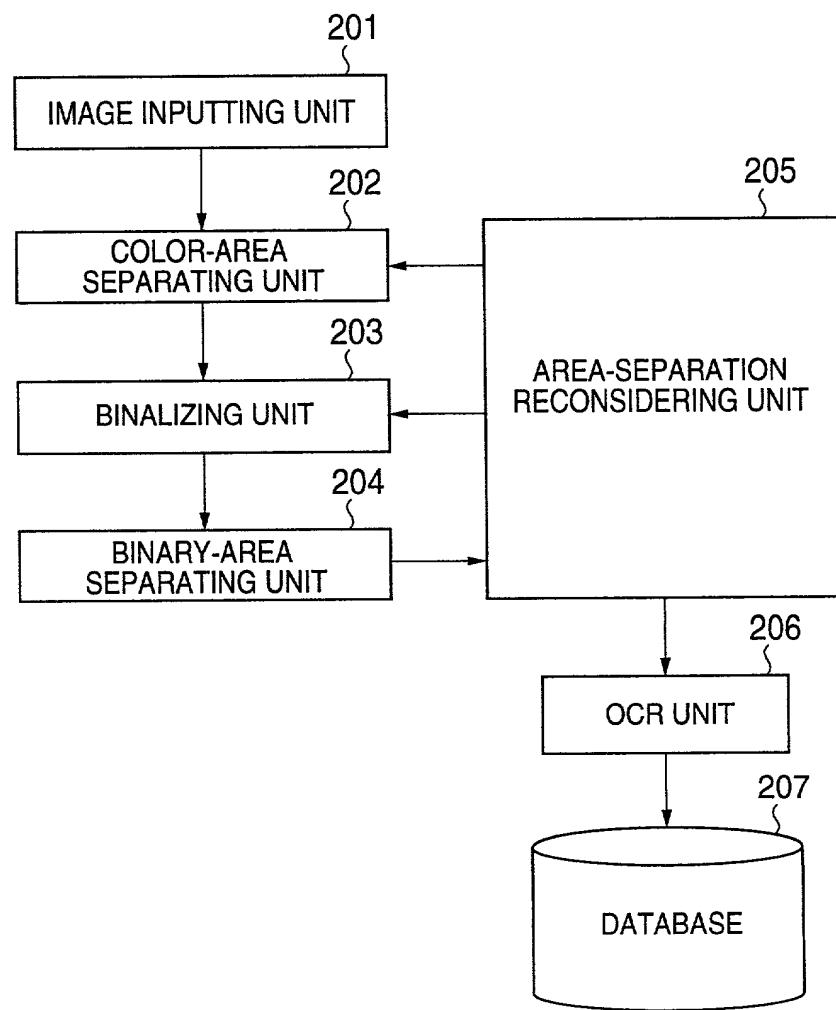


FIG. 14

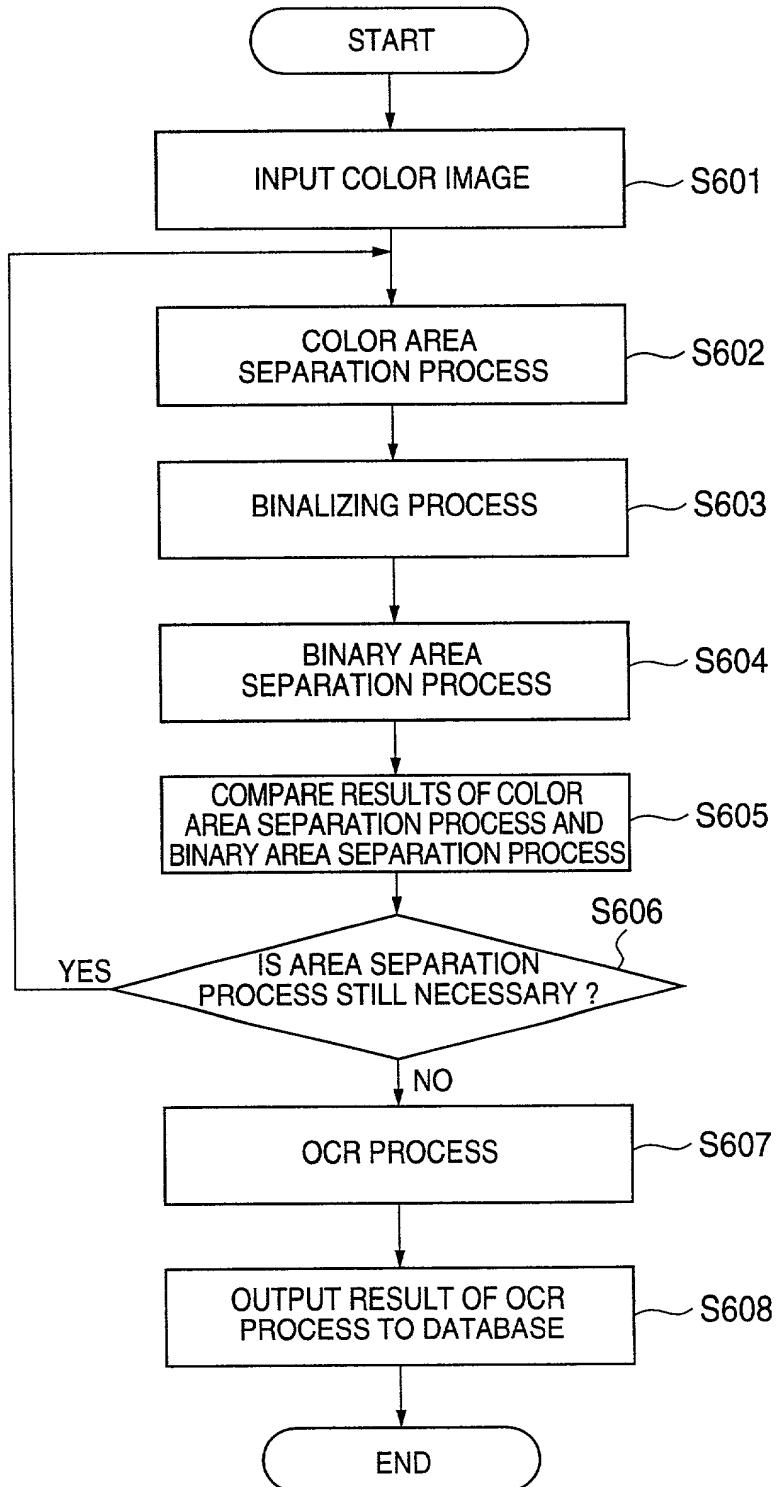


FIG. 15

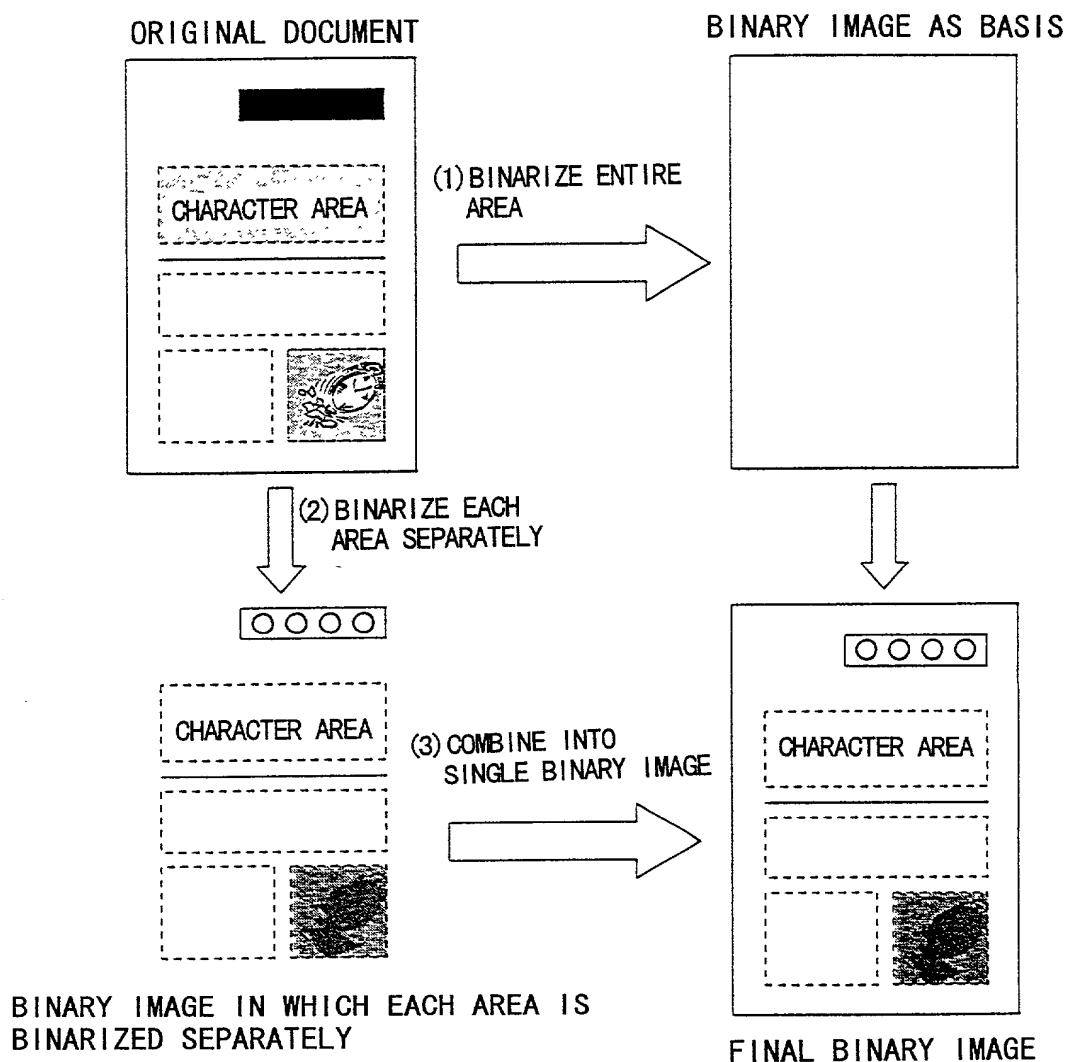


FIG. 16

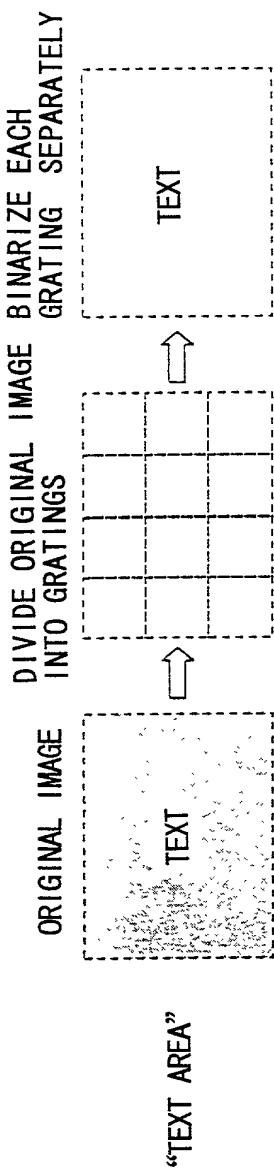


FIG. 17

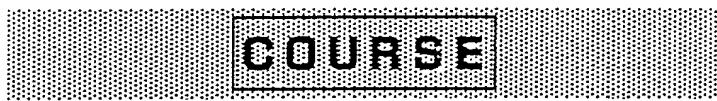
WIDTH OF AREA	WIDTH OF GRATING
512	32
1024	64
2048 OVER	128

FIG. 18

ORIGINAL IMAGE



RESULT OF COLOR AREA
SEPARATION PROCESS



RESULT OF BINARY AREA
SEPARATION PROCESS



FIG. 19

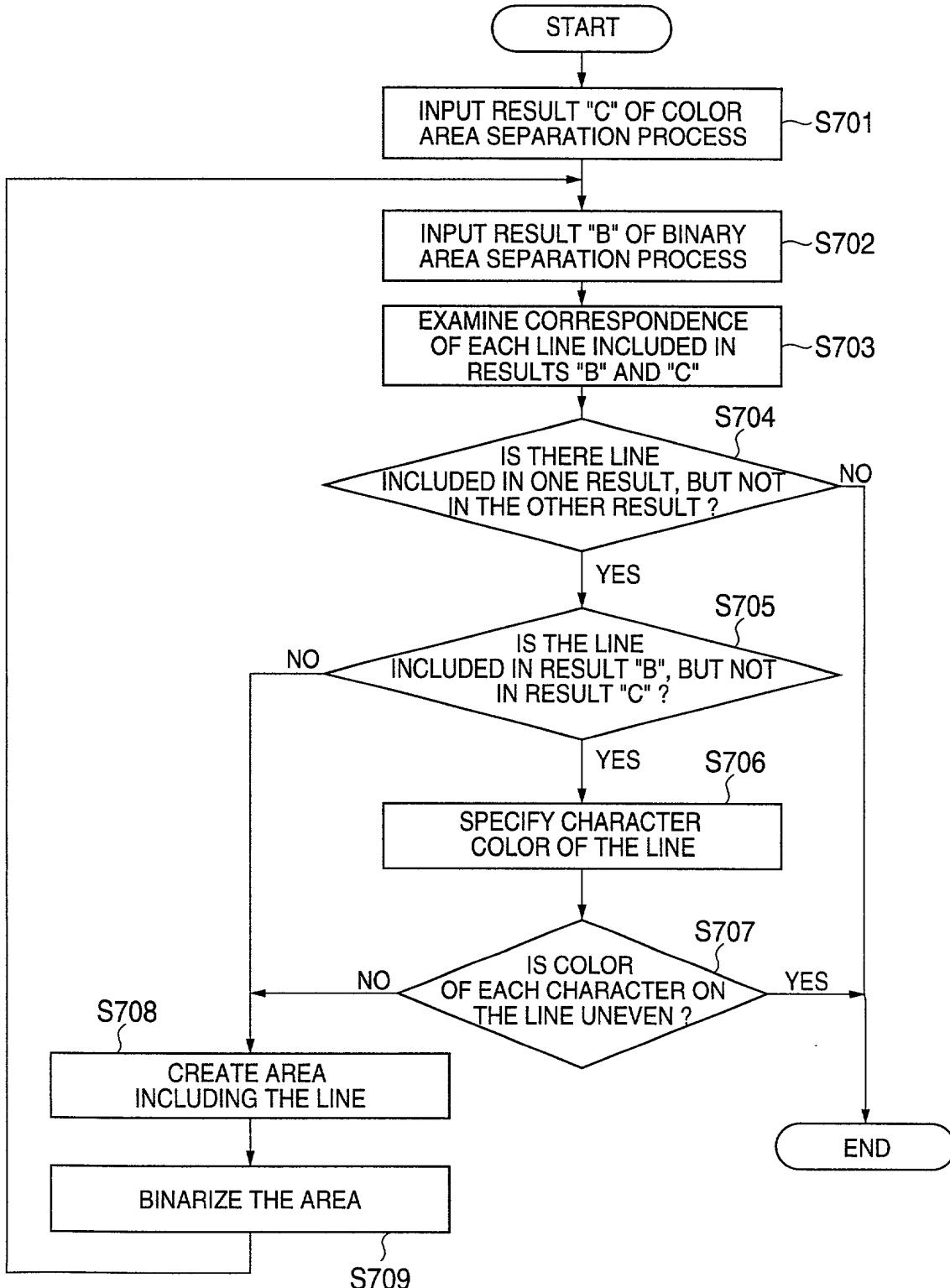
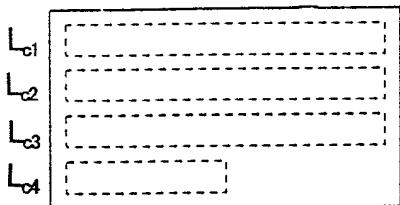
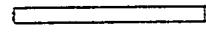


FIG. 20A

RESULT OF COLOR AREA SEPARATION PROCESS



AREA RECTANGLE



TEXT RECTANGLE

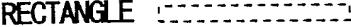


FIG. 20B

RESULT OF BINARY AREA SEPARATION PROCESS

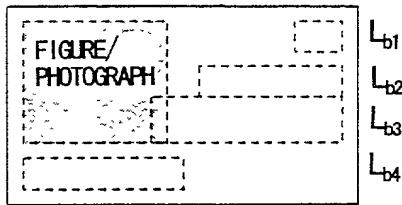


FIG. 21

